

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>10009684W001</b>	<b>FOR FURTHER ACTION</b> <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No. <b>PCT/JP2005/004881</b>	International filing date (day/month/year) <b>14/03/2005</b>	(Earliest) Priority Date (day/month/year) <b>12/03/2004</b>
Applicant  <b>CANON KABUSHIKI KAISHA</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☒ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☐ Certain claims were found unsearchable (See Box II).

3. ☐ Unity of invention is lacking (see Box III).

**4. With regard to the title,**

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

**METHOD OF DETECTING NUCLEIC ACID USING AMPLIFICATION ON AN ARRAY**

**5. With regard to the abstract,**

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. With regard to the drawings,**

a. the figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☒ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/004881

**Box No. I** Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
  - a. type of material
    - ☒ a sequence listing
    - ☐ table(s) related to the sequence listing
  - b. format of material
    - ☒ in written format
    - ☒ in computer readable form
  - c. time of filing/furnishing
    - ☒ contained in the international application as filed
    - ☐ filed together with the international application in computer readable form
    - ☐ furnished subsequently to this Authority for the purpose of search
2. ☒ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP2005/004881

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/71041 A (MERGEN LTD; YU, ZAILIN; PENG, ZAOYUAN; HU, QIANJIN) 27 September 2001 (2001-09-27) the whole document	1,3, 5-11,13, 16-23
X	WO 02/081743 A (HAMILL, BRENDAN) 17 October 2002 (2002-10-17) the whole document	1-24
X	WO 01/48242 A (MERGEN LTD; HU, QIANJIN; PENG, ZAOYUAN; YU, ZAILIN) 5 July 2001 (2001-07-05) abstract; figure 2 page 14 page 19, paragraph 90	11,13, 15-24
-/-		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the international search

20 July 2005

Date of mailing of the international search report

27/07/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Cornelis, K

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2005/004881

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2004/017068 A (HITACHI HIGH TECH CORP 'JP!; MATSUI TAKUYA 'JP!; MIYAHARA YUJI 'JP!; H) 26 February 2004 (2004-02-26) the whole document	1-24
A	PATENT ABSTRACTS OF JAPAN vol. 2002, no. 02, 2 April 2002 (2002-04-02) & JP 2001 299346 A (NABA HIROYUKI), 30 October 2001 (2001-10-30) abstract	1-24
A	WO 03/019189 A (CAO, WEI; LI, WENQUAN; ZHANG, YUEJIAN; SONG, JUN) 6 March 2003 (2003-03-06) the whole document.	1-24

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2005/004881

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0171041	A	27-09-2001	US 6376191 B1	23-04-2002
			AU 5093001 A	03-10-2001
			CA 2374406 A1	27-09-2001
			CN 1426481 A ,C	25-06-2003
			EP 1301623 A2	16-04-2003
			JP 2003527867 T	24-09-2003
			US 2002086322 A1	04-07-2002
			WO 0171041 A2	27-09-2001
WO 02081743	A	17-10-2002	CA 2442939 A1	17-10-2002
			EP 1373566 A2	02-01-2004
			WO 02081743 A2	17-10-2002
			GB 2377220 A ,B	08-01-2003
			JP 2004525640 T	26-08-2004
WO 0148242	A	05-07-2001	AU 2282801 A	09-07-2001
			CN 1500150 A	26-05-2004
			EP 1255860 A2	13-11-2002
			JP 2003523183 T	05-08-2003
			WO 0148242 A2	05-07-2001
			US 2001036632 A1	01-11-2001
WO 2004017068	A	26-02-2004	WO 2004017068 A1	26-02-2004
			EP 1542009 A1	15-06-2005
JP 2001299346	A	30-10-2001	NONE	
WO 03019189	A	06-03-2003	CN 1407113 A	02-04-2003
			WO 03019189 A1	06-03-2003